

Docket Number 06-SPPE-2
First Round Data Requests
El Centro Unit 3 Repower Project
July 2006

DATA REQUEST #13
TRANSMISSION SYSTEM ENGINEERING

BACKGROUND

Without a complete description of the proposed transmission interconnection staff will be unable to determine whether or not the proposed project would have a significant impact on the environment. While the proposed interconnection is adjacent to the proposed project site, the application did not include a detailed description and/or electrical diagram of the interconnecting facilities for the new generator. A discussion of new interconnection facilities and whether the interconnection will require an expansion of the existing El Centro switching station would allow for the analysis of the potential impacts of the proposed project.

DATA REQUEST

13. Please provide an engineering drawing of the poles or structures of the proposed 92 kV transmission line between the new GSU transformer and the El Centro generating station showing ground clearances, and the size of the new insulators and conductors.

DATA RESPONSE

Attachment D, Single Circuit Typical 92-kV Post Insulator, is a typical 92-kV pole that will be the basis for the design of the new transmission line to interconnect the El Centro Unit 3 Repower to the El Centro Switching Station (92 kV yard). The typical conductor for this design is 795 all aluminum conductor (AAC) rated at approximately 132 megavolts amps (MVA) (830 amps).

ATTACHMENT D
TRANSMISSION SYSTEM ENGINEERING
SINGLE CIRCUIT TYPICAL 92-KV POST
INSULATOR FIGURE